

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120420\
 Data File : VU041467.D
 Acq On : 04 Dec 2020 13:50
 Operator : SY/MD
 Sample : L4944-01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AP5

Quant Time: Dec 05 05:26:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Dec 05 05:22:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	51357	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	51466	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	27942	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	14082	5.34	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.80%
7) Chloroethane-d5	1.92	69	12198	5.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.40%
11) 1,1-Dichloroethene-d2	2.58	63	24962	3.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.20%
20) 2-Butanone-d5	4.65	46	55870	56.48	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.96%
24) Chloroform-d	5.08	84	37657	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.40%
26) 1,2-Dichloroethane-d4	5.72	65	26687	5.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.00%
32) Benzene-d6	5.74	84	58275	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.60%
36) 1,2-Dichloropropane-d6	6.70	67	17582	5.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.80%
41) Toluene-d8	7.90	98	56370	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.40%
43) trans-1,3-Dichloropropene-	8.19	79	10865	5.47	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	109.40%
46) 2-Hexanone-d5	8.64	63	43233	52.30	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.60%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	19381	5.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	25822	5.40	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Trichlorofluoromethane	2.15	101	104346	13.367	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	240	0.069	ug/L #	17
12) 1,1-Dichloroethene	2.58	96	160	0.053	ug/L #	1
22) cis-1,2-Dichloroethene	4.68	96	3668	1.089	ug/L	94
25) Chloroform	5.10	83	1836	0.257	ug/L	91
27) 1,2-Dichloroethane	5.75	62	410	0.073	ug/L #	79
31) Carbon tetrachloride	5.54	117	1427	0.209	ug/L	93
34) Trichloroethene	6.55	95	77204	20.080	ug/L	99
35) Methylcyclohexane	6.70	83	5007	0.955	ug/L #	17
37) 1,2-Dichloropropane	6.70	63	2598	0.870	ug/L #	84
39) cis-1,3-Dichloropropene	7.57	75	848	0.157	ug/L	90
44) trans-1,3-Dichloropropene	8.18	75	514	0.095	ug/L	94
45) 1,1,2-Trichloroethane	8.41	97	253	0.088	ug/L #	67
47) Tetrachloroethene	8.56	164	178757	58.864	ug/L	96
48) 2-Hexanone	8.64	43	6575	3.421	ug/L #	71
49) Dibromochloromethane	8.56	129	177586	45.276	ug/L #	12
59) 1,2,3-Trichloropropane	11.81	75	2923	1.009	ug/L #	86

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Dec 05 05:22:35 2020
Response via : Initial Calibration

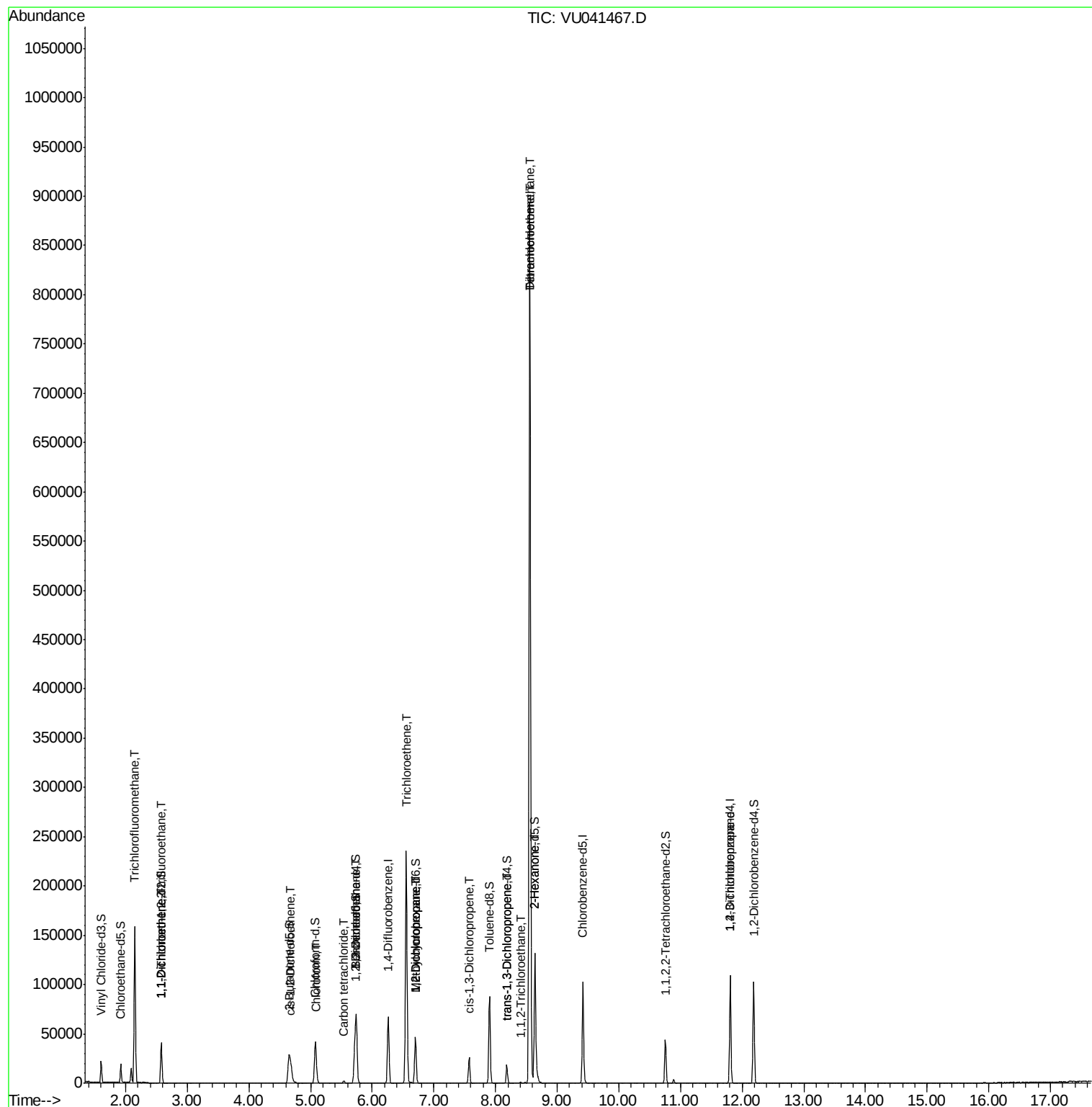
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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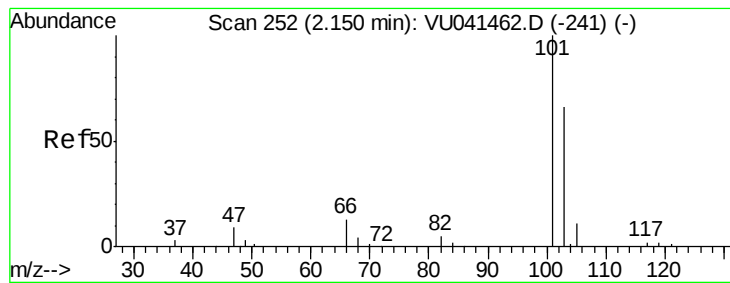
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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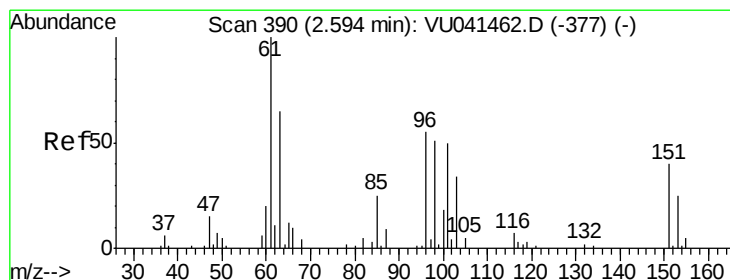
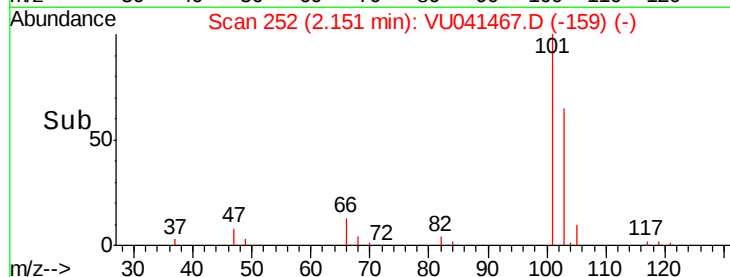
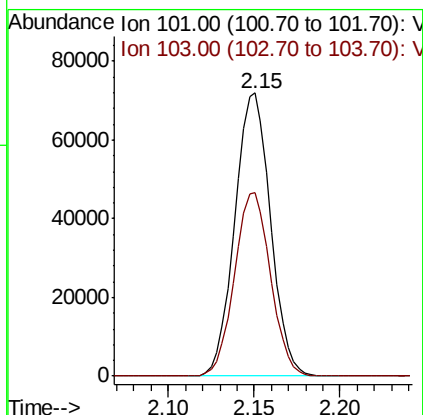
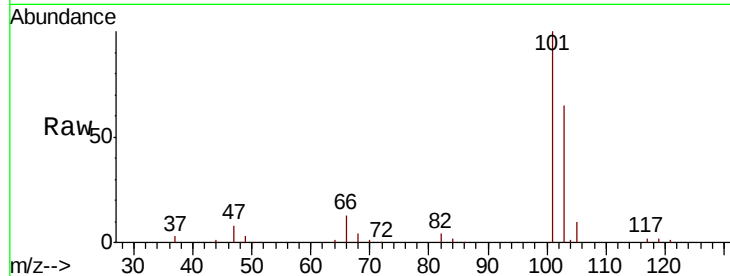


#9

Trichlorofluoromethane
 Concen: 13.367 ug/L
 RT: 2.15 min Scan# 252
 Delta R.T. 0.00 min
 Lab File: VU041467.D
 Acq: 04 Dec 2020 13:50

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AP5

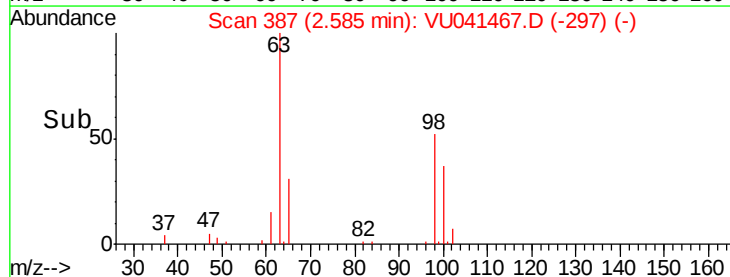
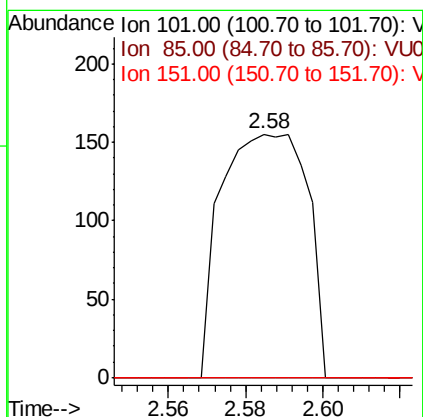
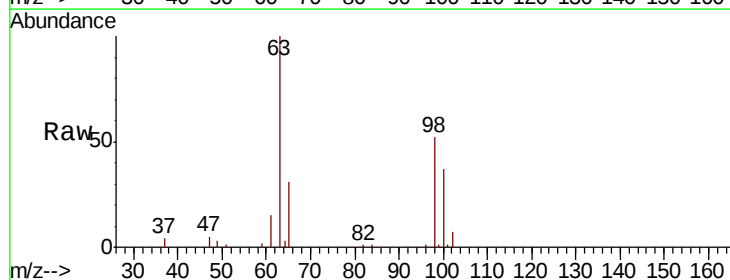
Tot Ion:101 Resp: 104346
 Ion Ratio Lower Upper
 101 100
 103 65.1 51.4 77.0

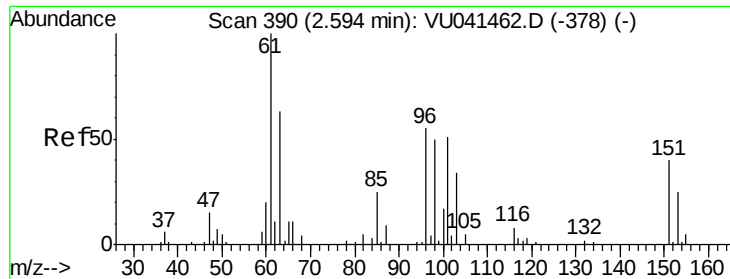


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.069 ug/L
 RT: 2.58 min Scan# 387
 Delta R.T. -0.01 min
 Lab File: VU041467.D
 Acq: 04 Dec 2020 13:50

Tgt Ion:101 Resp: 240
 Ion Ratio Lower Upper
 101 100
 85 0.0 39.4 59.2#
 151 0.0 63.8 95.8#





#12

1,1-Dichloroethene

Concen: 0.053 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU041467.D

Acq: 04 Dec 2020 13:50

Instrument :

MSVOA_U

ClientSampleId :

C0AP5

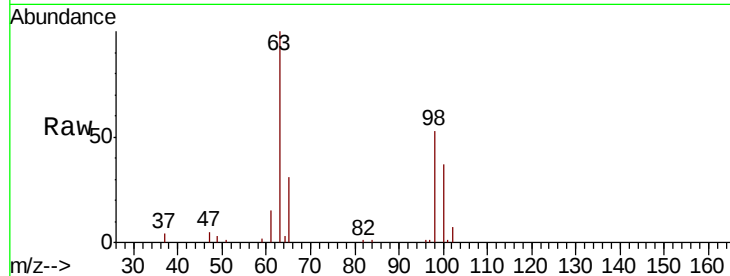
Tot Ion: 96 Resp: 160

Ion Ratio Lower Upper

96 100

61 1358.9 127.8 237.4#

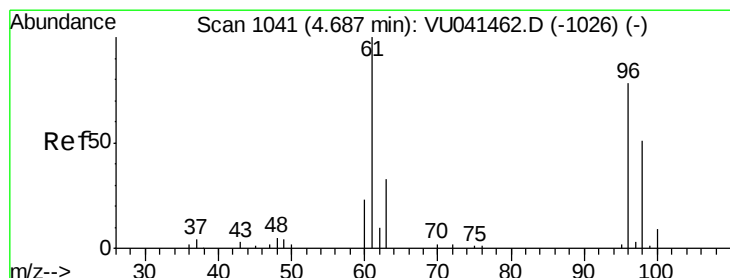
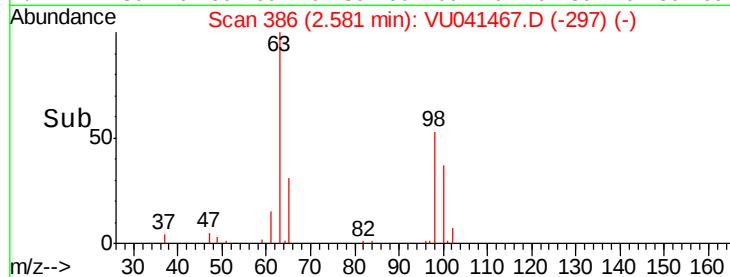
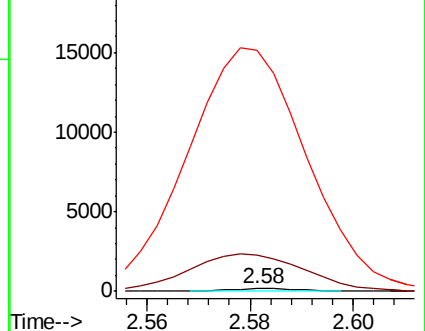
63 9040.5 86.2 160.0#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0



#22

cis-1,2-Dichloroethene

Concen: 1.089 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU041467.D

Acq: 04 Dec 2020 13:50

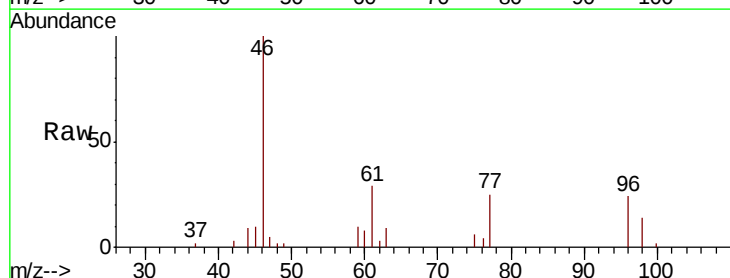
Tgt Ion: 96 Resp: 3668

Ion Ratio Lower Upper

96 100

61 122.4 90.5 168.1

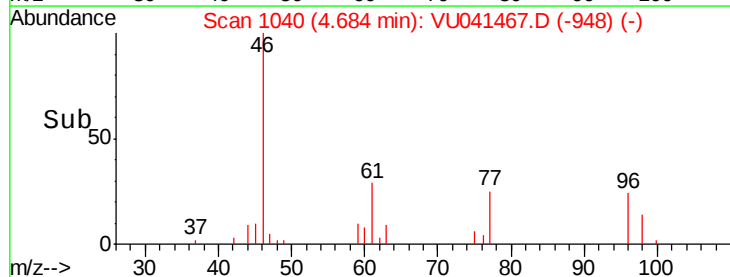
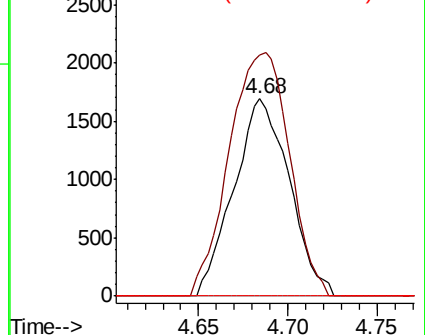
68 0.0 0.0 0.0

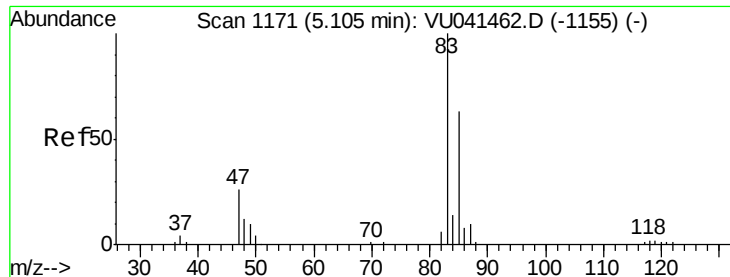


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0

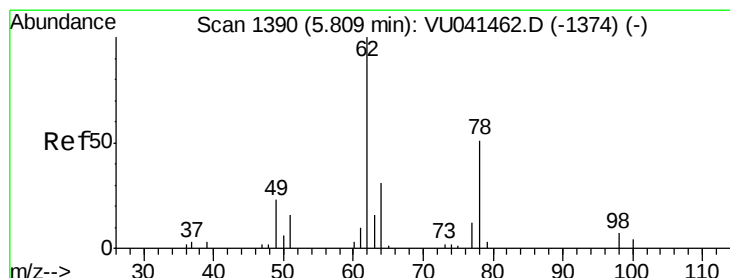
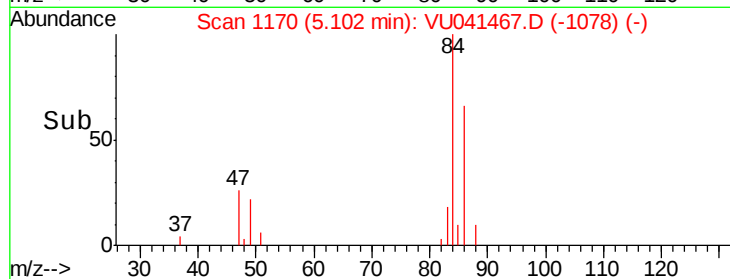
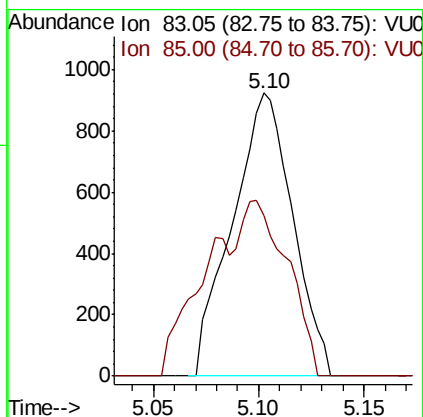
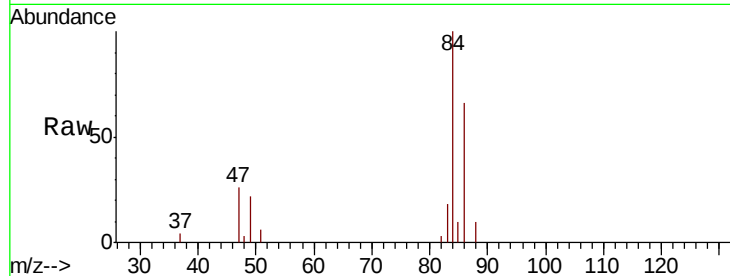




#25
Chloroform
Concen: 0.257 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU041467.D
Acq: 04 Dec 2020 13:50

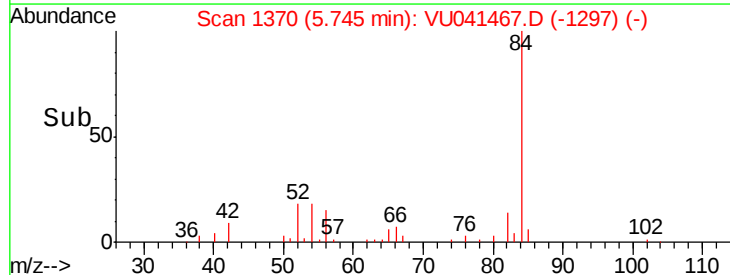
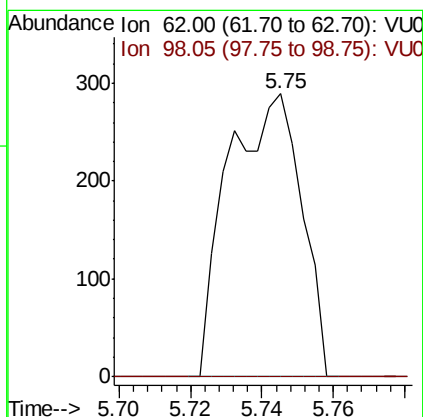
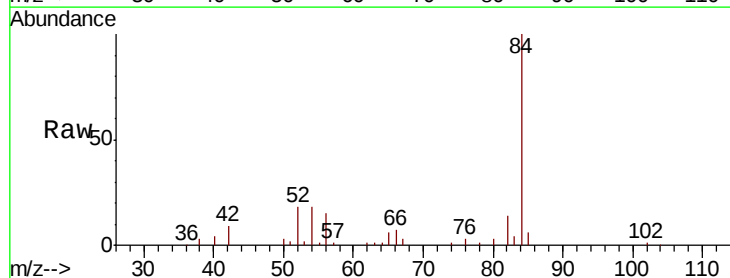
Instrument :
MSVOA_U
ClientSampleId :
C0AP5

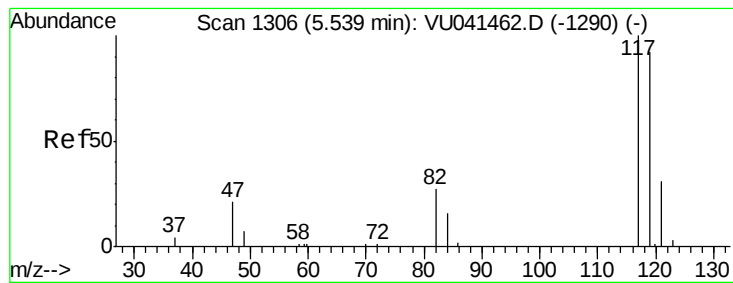
Tot Ion: 83 Resp: 1836
Ion Ratio Lower Upper
83 100
85 56.6 44.7 82.9



#27
1,2-Dichloroethane
Concen: 0.073 ug/L
RT: 5.75 min Scan# 1370
Delta R.T. -0.06 min
Lab File: VU041467.D
Acq: 04 Dec 2020 13:50

Tgt Ion: 62 Resp: 410
Ion Ratio Lower Upper
62 100
98 0.0 5.7 8.5#





#31

Carbon tetrachloride

Concen: 0.209 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU041467.D

Acq: 04 Dec 2020 13:50

Instrument :

MSVOA_U

ClientSampleId :

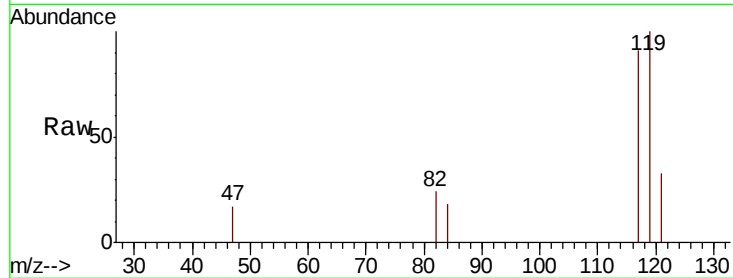
C0AP5

Tot Ion:117 Resp: 1427

Ion Ratio Lower Upper

117 100

119 102.9 77.2 115.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

800

600

400

200

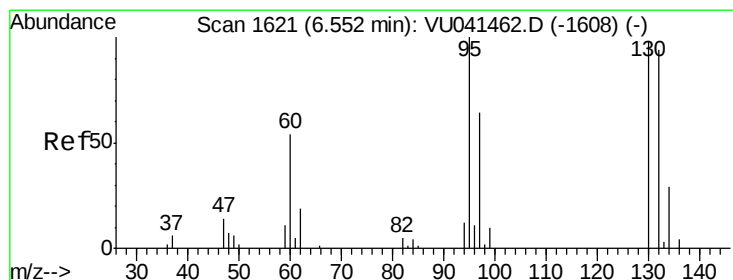
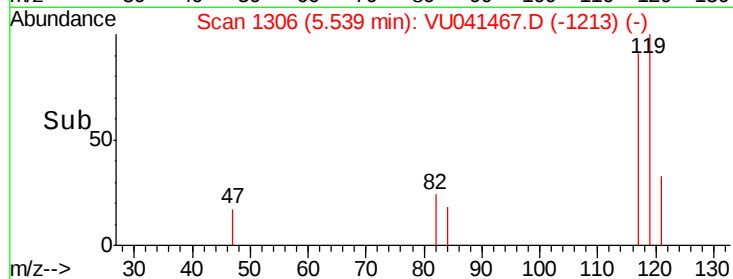
0

5.50

5.54

5.58

Time-->



#34

Trichloroethene

Concen: 20.080 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU041467.D

Acq: 04 Dec 2020 13:50

Tgt Ion: 95 Resp: 77204

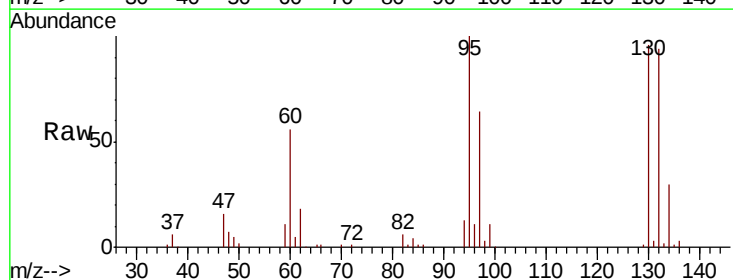
Ion Ratio Lower Upper

95 100

97 63.7 44.7 83.1

132 93.9 65.7 121.9

130 96.4 68.8 127.8



Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): VU0

Ion 129.95 (129.65 to 130.65): VU0

60000

50000

40000

30000

20000

10000

0

6.45

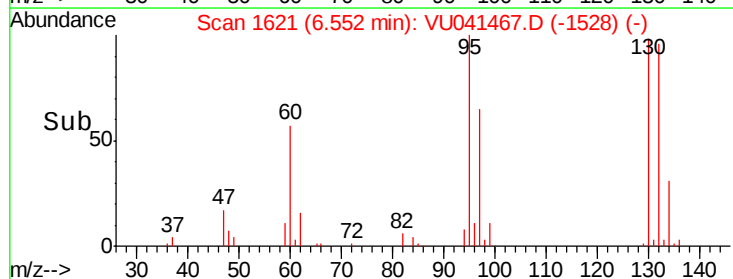
6.50

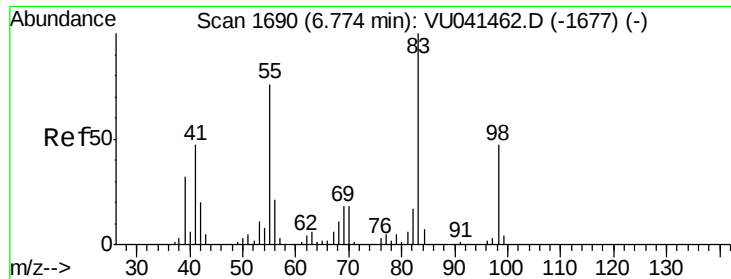
6.55

6.60

6.65

Time-->

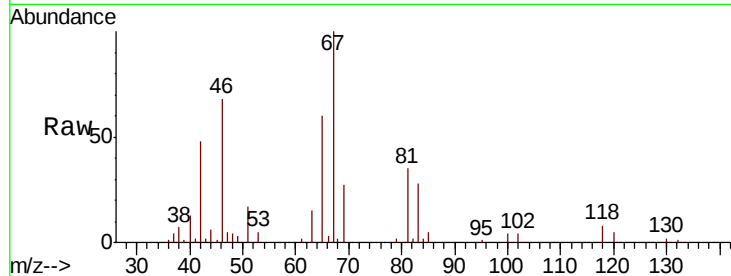




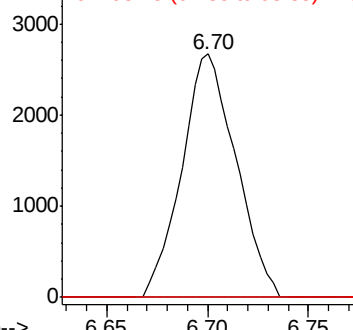
#35
Methvlcvclohexane
Concen: 0.955 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.07 min
Lab File: VU041467.D
Acq: 04 Dec 2020 13:50

Instrument :
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ClientSampleId :
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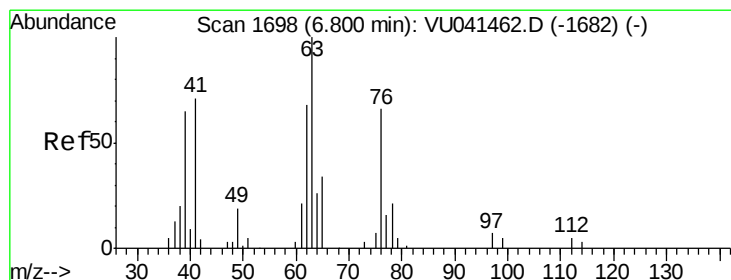
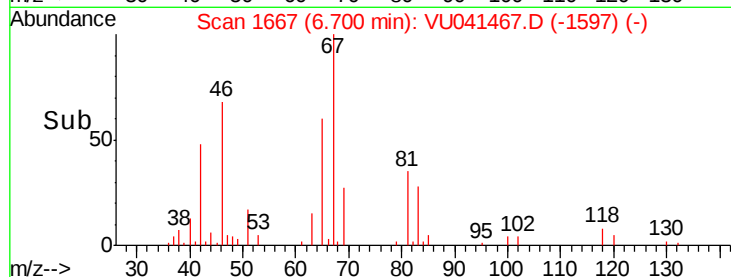
Tot Ion	Ratio	Lower	Upper
83	100		
55	0.0	62.1	93.1#
98	0.0	38.7	58.1#



Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

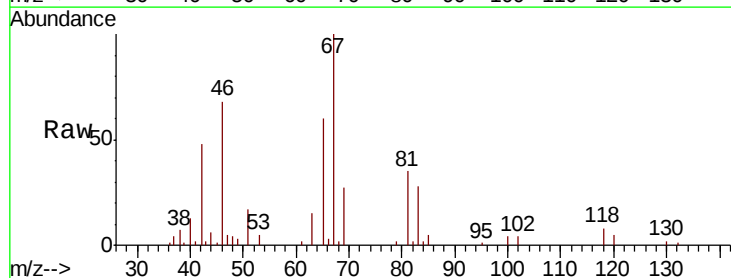


Time-->

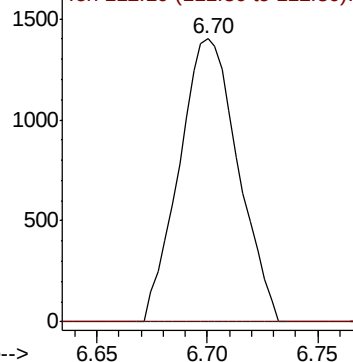


#37
1,2-Dichloropropane
Concen: 0.870 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU041467.D
Acq: 04 Dec 2020 13:50

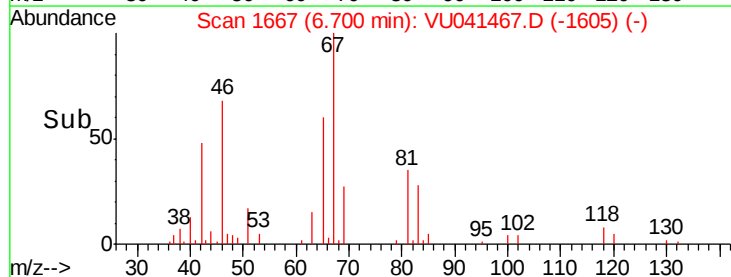
Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.0	4.2	6.2#

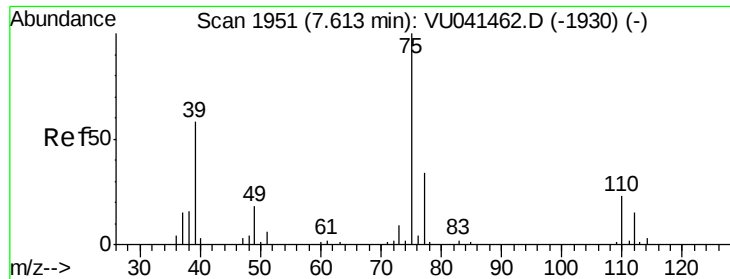


Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V



Time-->

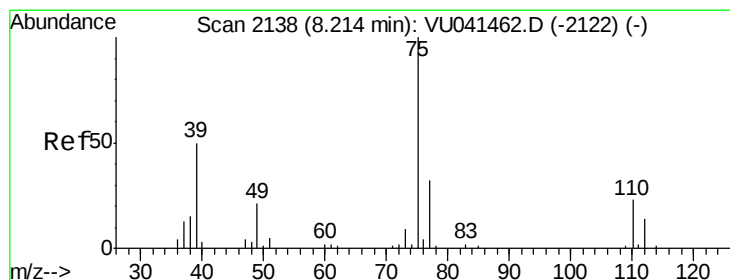
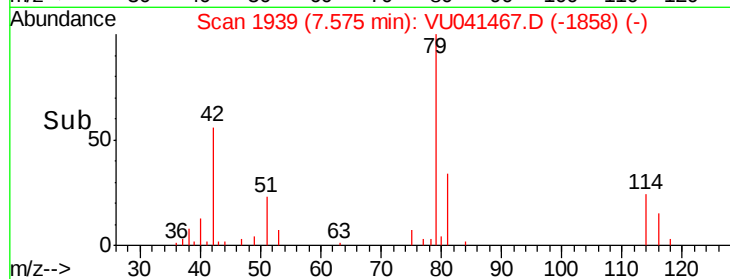
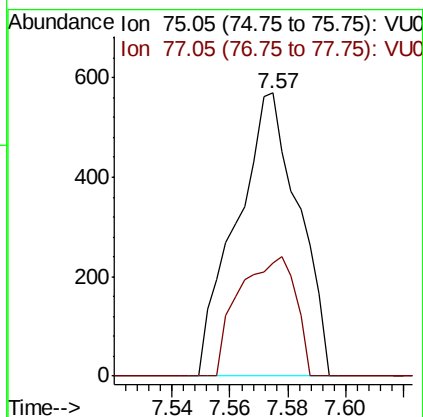
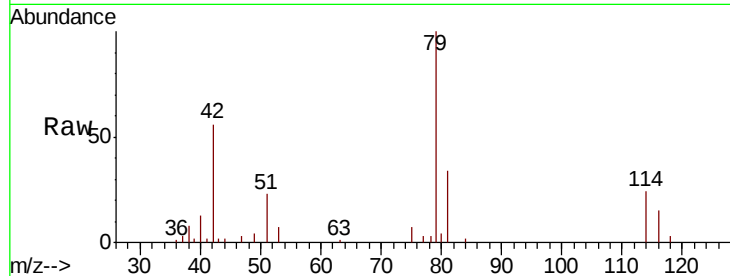




#39
 cis-1,3-Dichloropropene
 Concen: 0.157 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU041467.D
 Acq: 04 Dec 2020 13:50

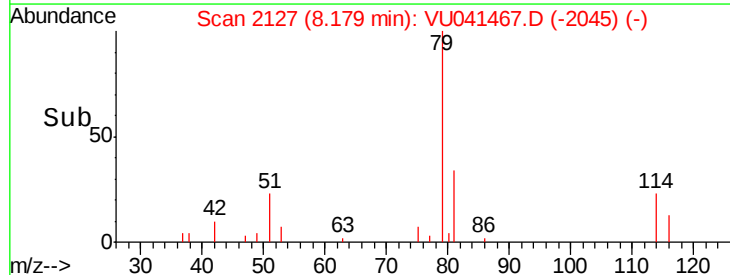
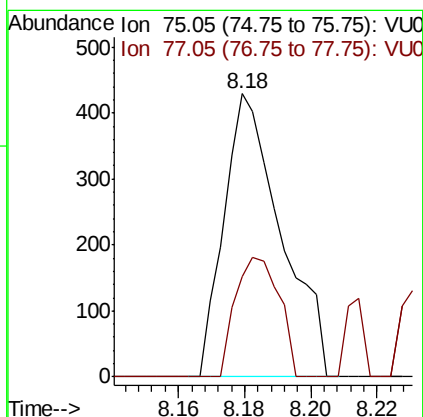
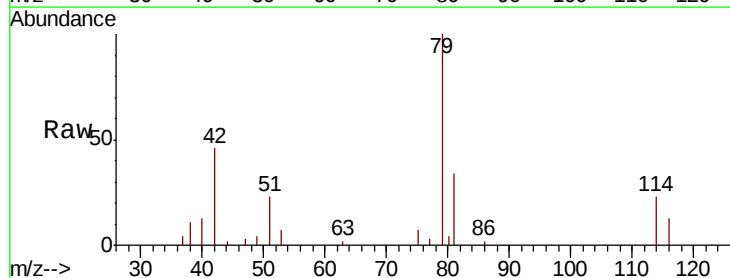
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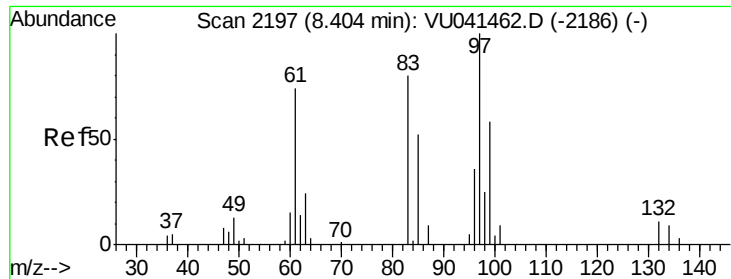
Tot Ion: 75 Resp: 848
 Ion Ratio Lower Upper
 75 100
 77 40.1 24.0 44.6



#44
 trans-1,3-Dichloropropene
 Concen: 0.095 ug/L
 RT: 8.18 min Scan# 2127
 Delta R.T. -0.04 min
 Lab File: VU041467.D
 Acq: 04 Dec 2020 13:50

Tgt Ion: 75 Resp: 514
 Ion Ratio Lower Upper
 75 100
 77 35.7 22.7 42.3

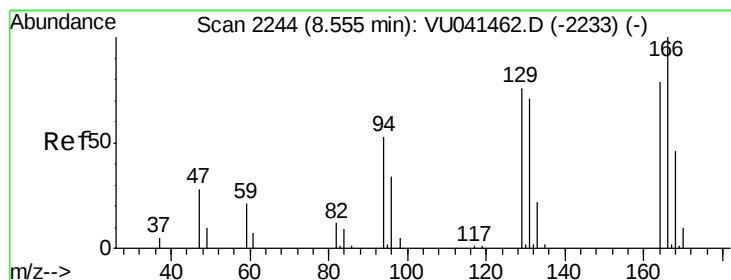
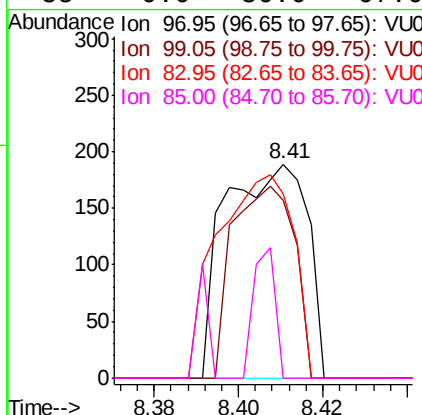
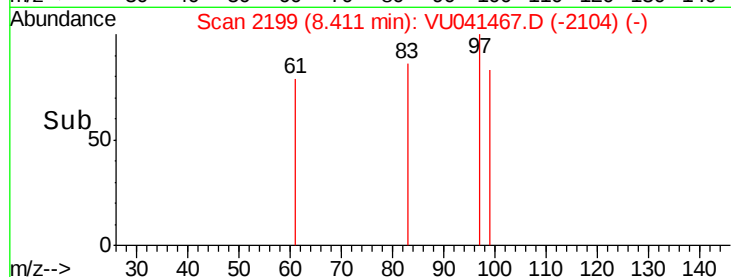
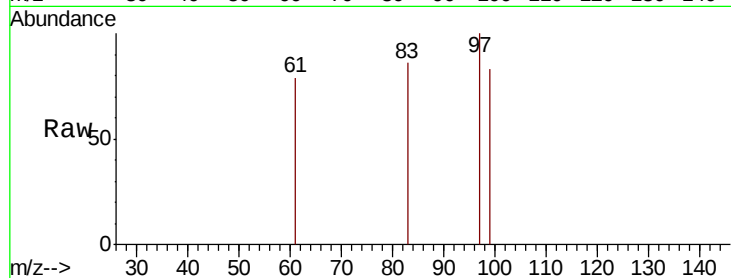




#45
 1,1,2-Trichloroethane
 Concen: 0.088 ug/L
 RT: 8.41 min Scan# 2199
 Delta R.T. 0.01 min
 Lab File: VU041467.D
 Acq: 04 Dec 2020 13:50

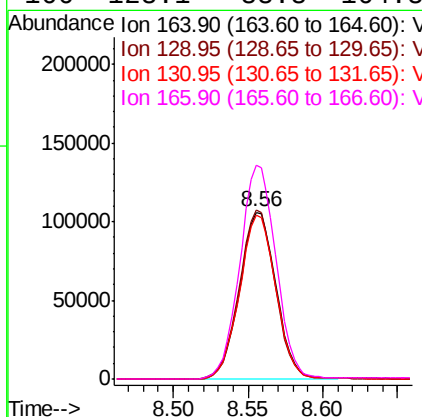
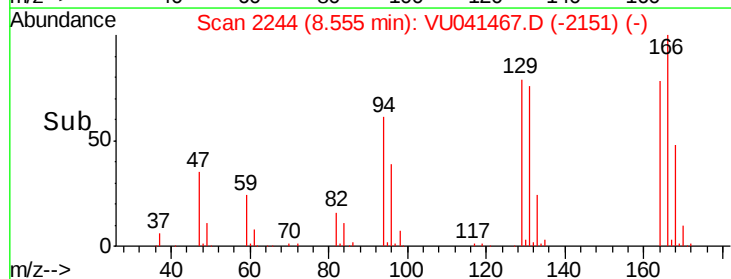
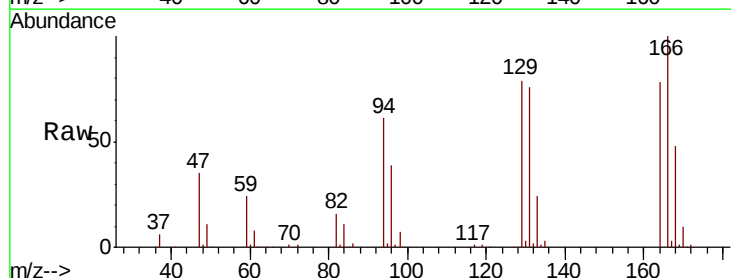
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AP5

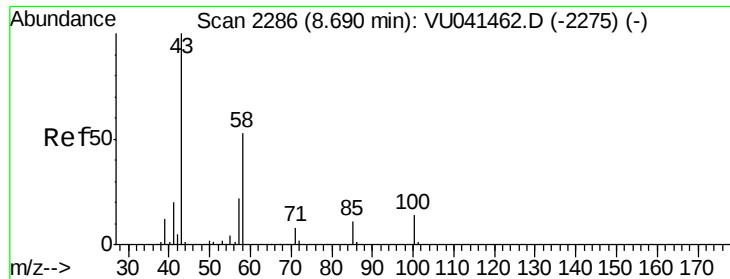
Tot Ion: 97 Resp: 253
 Ion Ratio Lower Upper
 97 100
 99 83.1 40.7 75.7#
 83 86.2 56.2 104.4
 85 0.0 36.0 67.0#



#47
 Tetrachloroethene
 Concen: 58.864 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. 0.00 min
 Lab File: VU041467.D
 Acq: 04 Dec 2020 13:50

Tgt Ion: 164 Resp: 178757
 Ion Ratio Lower Upper
 164 100
 129 101.2 67.1 124.7
 131 97.9 63.3 117.7
 166 128.1 88.8 164.8

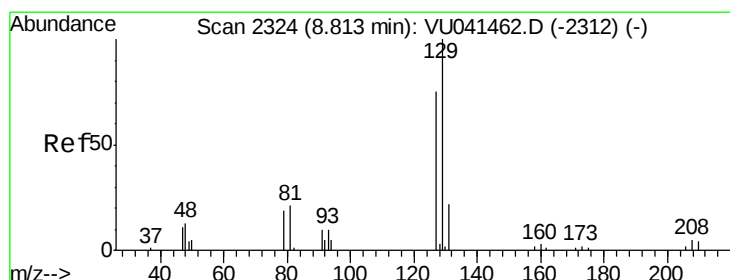
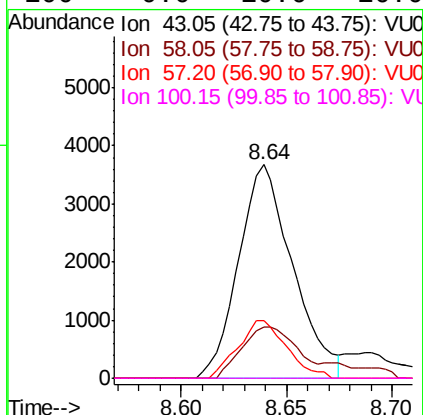
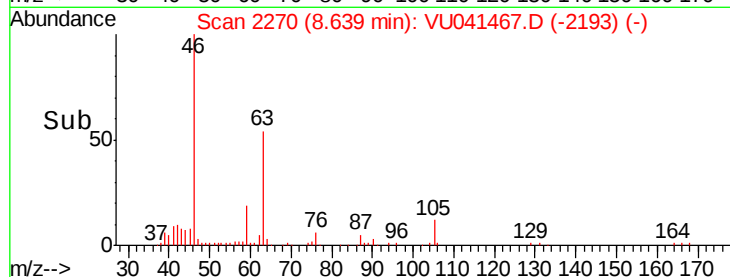
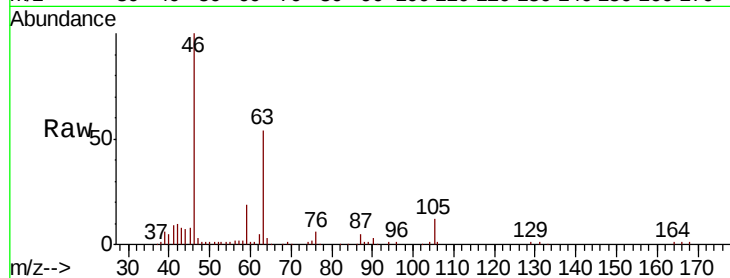




#48
2-Hexanone
Concen: 3.421 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU041467.D
Acq: 04 Dec 2020 13:50

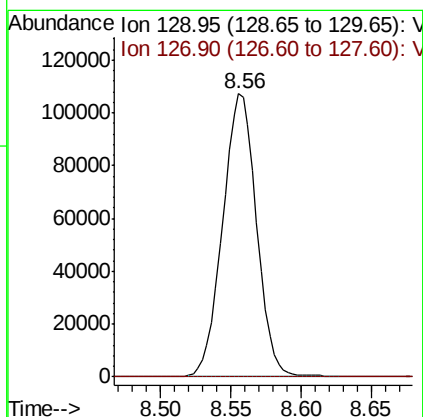
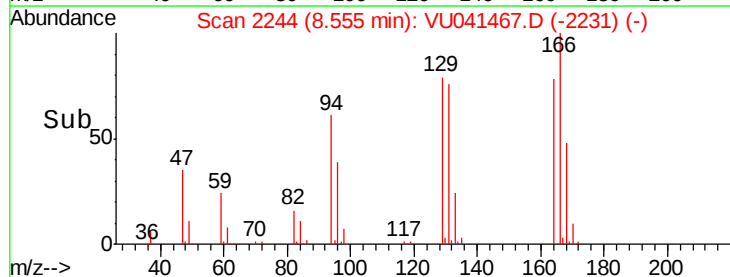
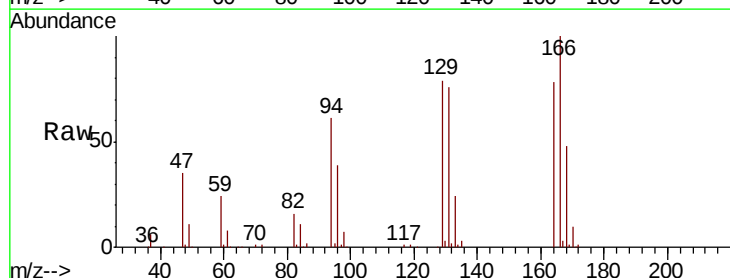
Instrument :
MSVOA_U
ClientSampleId :
C0AP5

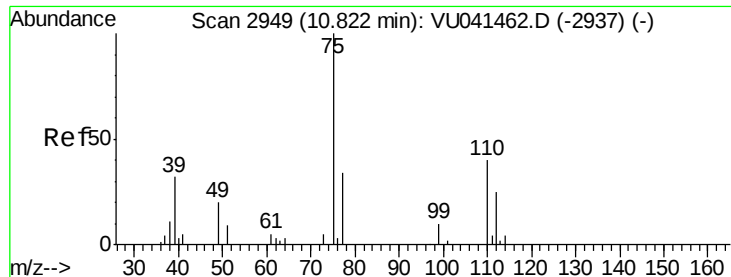
Tot Ion: 43 Resp: 6575
Ion Ratio Lower Upper
43 100
58 25.1 41.4 62.0#
57 24.2 17.1 25.7
100 0.0 10.6 16.0#



#49
Dibromochloromethane
Concen: 45.276 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.26 min
Lab File: VU041467.D
Acq: 04 Dec 2020 13:50

Tgt Ion: 129 Resp: 177586
Ion Ratio Lower Upper
129 100
127 0.2 52.4 97.2#





#59

1,2,3-Trichloropropane

Concen: 1.009 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041467.D

Acq: 04 Dec 2020 13:50

Instrument :

MSVOA_U

ClientSampleId :

C0AP5

Tot Ion: 75 Resp: 2923

Ion Ratio Lower Upper

75 100

77 40.8 26.3 39.5#

